Level 1(If else)

1. **ASCII Value of Character**

   Write a program to print the ASCII value of a character.

   Input Format:

   First line contains single character c

   Output Format:

   Print ASCII value of character.

   Sample Input:

   A

   Sample Output:

   65

2. **Equivalent ASCII Character**

   Write a program to print the equivalent ASCII character.

   Input Format:

   First line contains single integer n

   Output Format:

   Print equivalent ASCII character.

   Sample Input:

   98

   Sample Output:

   b

3. **Lowercase ASCII value or not**

   Check if a given number is the ASCII value of lowercase alphabet or not.

   Input Format:

   First line contains a single integer n.

   Output Format:

   Print Yes if number is ASCII value of lowercase else No

   Sample Input:

   100

   Sample Output:

   Yes

4. **Uppercase ASCII value or not**

   Check if a given number is the ASCII value of uppercase alphabet or not.

   Input Format:

   First line contains a single integer n.

   Output Format:

   Print Yes if number is ASCII value of uppercase else No

   Sample Input:

   78

   Sample Output:

   Yes

5. **Number ASCII value or not**

   Check if a given number is the ASCII value of the numeric character or not.

   Input Format:

   First line contains a single integer n.

   Output Format:

   Print Yes if number is ASCII value of number else No

   Sample Input:

   50

   Sample Output:

   Yes

6. **Game of multiplication and addition**

   Write a program to check the given 2 integer input is even if yes then find product of 2 numbers else find the sum of 2 numbers.

   Input Format:

   First line contains the first integer n.

   Second line contains a second integer m.

   Output Format:

   Print product of 2 numbers if both numbers are even else sum

   Sample Input:

   10

   20

   Sample Output:

   200

Sample Input:

10

15

Sample Output:

25

7. **Positive or Negative Number**

   Check if a given number is greater than 0, if yes then print positive or if the given number is lesser than 0, then print negative. If the given number is exactly equal to 0, then print zero.

   Input Format:

   First line contains a single integer n.

   Output Format:

   Print positive if n>0, else negative if n<0, else zero if n = 0.

   Sample Input:

   30

   Sample Output:

   Positive

   Sample Input:

   -25

   Sample Output:

   Negative

   Sample Input:

   0

   Sample Output:

Zero

8. **Absolute value**

   Write a program to find the absolute value of a given integer.

   Input Format:

   First line contains a single integer n.

   Output Format:

   Print absolute value of integer.

   Sample Input:

   -5

   Sample Output:

   5

   Sample Input:

   12

   Sample Output:

   12

9. **Largest Number**

   Write a program to print the largest number among 2 integer numbers

   Input Format:

   First line contains the first integer n.

   Second line contains a second integer m.

   Output Format:

   Print largest number of 2 numbers

   Sample Input:

10

30

Sample Output:

30

10. Smallest Number

Write a program to find the smallest number among 2 integer numbers

Input Format:

First line contains the first integer n.

Second line contains a second integer m.

Output Format:

Print smallest number of 2 numbers

Sample Input:

10

30

Sample Output:

10

11. Largest Number

Write a program to find the largest number among 3 integer numbers

Input Format:

First line contains space separated three integer input n,m,l.

Output Format:

Print largest number of 3 numbers

Sample Input:

10 25 5

Sample Output:

25

12. Smallest Number

Write a program to find the smallest number among 3 integer numbers

Input Format:

First line contains space separated three integer input n,m,l.

Output Format:

Print smallest number of 3 numbers

Sample Input:

10 25 5

Sample Output:

5

Level 2(If else)

1. **Reminder of 2 numbers**

   Write a program to find remainder of two given numbers

   Input Format:

   First line contains space separated two integer input n,m.

   Output Format:

   Print reminder of 2 numbers if n>m else print -1

   Sample Input:

   20 6

   Sample Output:

   2

   Sample Input:

   10 20

   Sample Output:

   -1

2. **Grading System.**

   Write a program to find grade of the student marks

   - If marks scored 90+ then print A+.
   - If marks scored 80+ then print A.
   - If marks scored 70+ then print B+.
   - If marks scored 60+ then print B.
   - If marks scored 50+ then print C+.
   - If marks scored 40+ then print C.
   - If marks scored less than 40 then print “Fail”.
   - If marks scored is less than 0 or greater than 100 then print “Invaild”.

Input Format:

First line contains a single integer input n.

Output Format:

Print its respective grade as per the n input

Sample Input:

83

Sample Output:

A

Sample Input:

9

Sample Output:

Invaild

Sample Input:

38

Sample Output:

Fail

3. **Largest Number**

Write a program to find the largest number among 4 integer numbers

Input Format:

First line contains space separated three integer input n,m,l,k.

Output Format:

Print largest number of 4 numbers

Sample Input:

10 25 5 30

Sample Output:

30

4. **Smallest Number**

   Write a program to find the smallest number among 4 integer numbers

   Input Format:

   First line contains space separated three integer input n,m,l,k.

   Output Format:

   Print smallest number of 4 numbers

   Sample Input:

   1 3 5 4

   Sample Output:

   1

5. **Swap 2 Numbers**

   Write a program to swap two numbers.

   Input Format:

   First line consists of a positive integer n1.

   Second line consists of a positive integer n2.

   Output Format:

   Prints the required result before and after swapping the numbers.

   Sample Input:

   10 20

Sample Output:

Before Swapping

10 20

After Swapping

20 10